

Amendments to the Specification:

Please replace the current title "A METHOD AND APPARATUS FOR IMAGE SENSING USING AN INTEGRATED CIRCUIT-BASED COMPOUND EYE" with the new title:

"AN INTEGRATED CIRCUIT-BASED COMPOUND EYE IMAGE SENSOR USING A LIGHT PIPE BUNDLE"

Please replace the Abstract with the following amended Abstract:

An integrated circuit-based compound eye includes a plurality of photodetector elements disposed on a semiconductor substrate. A compound light directing member includes a plurality of light directing elements light pipe bundle wherein at least some of the light directing elements pipes are to individually direct light energy from one or more sources onto one or more of the photodetector elements. The compound light directing member is the primary mechanism to direct light energy onto the one or more of the photodetector elements. Outputs of the photodetector elements are electrically coupled in such a way that an image associated with the source may be synthesized at output circuitry.